

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 2    | ("6107702").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/01/10 09:18 |
| L2    | 2    | ("6104702").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/01/10 09:19 |
| L3    | 0    | "oc-48" same "vc-12" same framer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/01/10 09:20 |
| L4    | 0    | "oc-48" same "vc-12" and framer  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/01/10 09:20 |
| L5    | 7    | "oc-48" and "vc-12" and framer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/01/10 09:22 |
| L6    | 24   | oc-\$ and vc-\$ and framer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/01/10 09:51 |
| L7    | 19   | udp same error same (check adj sum)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/01/10 10:08 |
| L8    | 3    | rtp same error same (check adj sum)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/01/10 10:08 |
| S1    | 120  | (circuit near emulation) same (ip or internet)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/12/30 08:05 |
| S2    | 73   | (circuit adj emulation) same (ip or internet) and ("t1" or "e1")                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/03/11 14:10 |
| S3    | 45   | (circuit adj emulation) same (ip or internet) and ("t1" or "e1") and packet\$ and encapsulat\$       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/03/11 14:08 |
| S4    | 45   | (circuit adj emulation) same (ip or internet) and (sonet or sdh or vc) and packet\$ and encapsulat\$ | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/03/11 08:27 |

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| S5  | 72   | (circuit adj emulation) same (ip or internet) and (sonet or sdh or vc) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 08:27 |
| S6  | 112  | (circuit adj emulation) same (ip or internet)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 08:37 |
| S7  | 2    | ("6,459,708").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:07 |
| S8  | 1326 | (370/522).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:08 |
| S9  | 638  | (370/537).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:09 |
| S10 | 1134 | (370/466).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:09 |
| S11 | 541  | (370/469).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S12 | 100  | (370/395.5).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S13 | 886  | (370/400).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S14 | 2597 | (370/401).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |

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| S15 | 2229 | (370/352).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S16 | 190  | (370/353).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S17 | 308  | (370/356).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S18 | 1834 | (370/389).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 14:10 |
| S19 | 1    | ((("6,459,708").PN.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1")) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:11 |
| S20 | 0    | ((370/522).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1"))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:11 |
| S21 | 2    | ((370/537).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1"))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:12 |
| S22 | 6    | ((370/466).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1"))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:12 |
| S23 | 0    | ((370/469).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1"))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:13 |
| S24 | 0    | ((370/395.5).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1"))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:13 |
| S25 | 2    | ((370/400).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1"))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:13 |

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| S26 | 4    | ((370/401).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:14 |
| S27 | 7    | ((370/352).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:14 |
| S28 | 1    | ((370/353).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:15 |
| S29 | 4    | ((370/356).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:15 |
| S30 | 2    | ((370/389).CCLS.) and (circuit adj emulation) same (ip or internet) and ("t1" or "e1") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/03/11 14:15 |
| S31 | 2    | ("6014708").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/11 15:06 |
| S32 | 125  | (370/455).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/03 13:12 |
| S33 | 7    | ((370/455).CCLS.) and ("T1" or "E1") same (packet\$ or encapsulat\$)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/03 13:19 |
| S34 | 1    | ((370/455).CCLS.) and ("T1" or "E1") and (circuit with emulation) and packet           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/03 13:18 |
| S35 | 1293 | (370/466).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/03 13:18 |
| S36 | 102  | ((370/466).CCLS.) and ("T1" or "E1") same (packet\$ or encapsulat\$)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/03 13:54 |

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| S37 | 331  | (370/473).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/03 13:54 |
| S38 | 25   | ((370/473).CCLS.) and ("T1" or "E1") same (packet\$ or encapsulat\$)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/03 13:56 |
| S39 | 1033 | (370/474).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/03 13:56 |
| S40 | 88   | ((370/474).CCLS.) and ("T1" or "E1") same (packet\$ or encapsulat\$)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/03 14:01 |
| S41 | 8    | (("5,805,588") or ("5,889,773") or ("5,970,067") or ("5,933,607")).PN.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/03 14:02 |
| S42 | 36   | (circuit near emulation) same clock same recover\$   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/16 08:12 |
| S43 | 21   | ((circuit near emulation) same clock same recover\$ ) and ("t1" or "t-1" or "e1" or "e-1") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/09/16 08:42 |
| S44 | 2    | ("6,459,708").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/16 08:42 |
| S74 | 2    | ("6,459,708").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2004/12/22 13:30 |
| S75 | 2    | ("6,272,128").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2004/12/22 13:30 |
| S76 | 13   | udp same (error adj notification)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/12/29 15:03 |

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| S77 | 116 | sdh same ais  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:07 |
| S78 | 0   | sdh same framer same ais same "vc-12"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:08 |
| S79 | 2   | sdh same framer same ais and "vc-12"                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:10 |
| S80 | 3   | sdh same framer and ais and "vc-12"                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:11 |
| S81 | 4   | sdh and framer and ais and "vc-12"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:12 |
| S82 | 17  | sdh and ais and "vc-12"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:19 |
| S83 | 12  | sdh and ais and "vc-12" and (high adj order adaptation)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:22 |
| S84 | 0   | sdh and ais and "vc-12" and (high adj order adj adaptation) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:23 |
| S85 | 0   | sdh and ais and "vc-12" and (high adj order adj adapt\$)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:42 |
| S86 | 2   | ("6,034,947").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/12/30 08:36 |
| S87 | 0   | sonet same (high adj order adj adaptation)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:43 |
| S88 | 0   | sonet same (high adj order adj adaption)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/12/30 08:43 |

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| S89      | 0   | sonet same (high adj order adj adapt\$) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:44 |
| S90      | 0   | sonet and (high adj order adj adapt\$)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:44 |
| S91      | 0   | sdh and (high adj order adj adapt\$)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:44 |
| S92      | 18  | high adj order adj adapt\$              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:54 |
| S93      | 9   | loss same upd                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:56 |
| S94      | 50  | error same upd                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:59 |
| S95      | 620 | loss same udp                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:56 |
| S96      | 254 | loss with udp                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:56 |
| S97      | 3   | loss with udp with receive              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:57 |
| S98      | 0   | detect with loss same udp with receive  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:58 |
| S99      | 2   | detect same loss same udp same receive  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 08:58 |
| S10<br>0 | 116 | detect and loss with udp                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:00 |

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| S10<br>1 | 108 | detect and loss with udp and packet                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:00 |
| S10<br>2 | 0   | detect with loss with udp and packet                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:00 |
| S10<br>3 | 0   | detect near loss with udp and packet                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:00 |
| S10<br>4 | 108 | detect and loss with udp and packet                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:04 |
| S10<br>5 | 17  | detect and loss with udp and packet and (error with notification) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:07 |
| S10<br>6 | 30  | detect and loss with udp and packet and (error with message)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 09:29 |
| S10<br>7 | 27  | detect and loss with rtp and packet and (error with message)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:05 |
| S10<br>8 | 0   | loss with "vc-12" with (error adj message or notification)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:07 |
| S10<br>9 | 0   | loss same "vc-12" same error adj (message or notification)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:07 |
| S11<br>0 | 101 | loss same vc same error   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:08 |
| S11<br>1 | 37  | loss with vc same error   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:08 |
| S11<br>2 | 31  | loss with vc with error   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:09 |



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| S11<br>3 | 21 | (sonet or sdh) and loss with vc with<br>error | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/12/30 10:10 |
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